AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | 1. CONTRACT ID CODE J | PAGE 1 OF 2 PAGES

2. AMENDMENT/MODIFICATION NO.	3.EFFECTIVE DATE	4. REQUISITION/PURCHASE REG. NO.	5. PROJ NO. *(if applicable)*
0001	**31 MAY2002**	**N/A**	

6. ISSUED BY CODE	N00164	7. ADMINISTERED BY *(if other than Item 6)code*	S3319A

CONTRACTING OFFICER
NAVSURFWARCENDIV 300 HWY 361
CRANE IN 47522-5001
BUYER/SYMBOL: Ms. Kelly Sargent / 1165ZD
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8. NAME AND ADDRESS OF CONTRACTOR *(No., street, State and ZIP Code)*

Telephone:
Fax:

CAGE CODE: | FACILITY CODE

X	9A. AMENDMENT OF SOLICITATION NO. **N00164-02-R-8512**
	9B. DATED *(SEE ITEM 11)* **24MAY2002**
	10A. MODIFICATION OF CONTRACT/ ORDER NO.
	10B. DATED *(SEE ITEM 13)*

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

X The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [ ] is extended [X] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning 2 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER . If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA *(If required)*

N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS AND CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO *(Specify authority)* THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT CHANGE NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES *(such as changes in paying office, appropriation data, etc.)* SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b)
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER *(Specify type of modification and authority)*

E. IMPORTANT: Contractor ( ) is not, (X) is required to sign this document and return 1 copy(ies) to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION *(Organization by UCF section headings, including solicitation/contract subject matter where feasible.)* **This amendment is issued to make SOW changes and to provide new CDRL A011. See page 2.**

Except as provided herein, all terms and conditions referenced in Item 9A and 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER *(Type or print)*		16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY	16C. DATE SIGNED
(Signature of person authorized to sign)		*(Signature of Contracting Officer)*	

1. **SOW paragraph 3.7.1 is changed to read as follows:**

3.7.1 Contractor Logistics Support (CLS). The Contractor shall provide Life Cycle Support for the Sight(s) for a period of five (5) years from date of contract award to include repair and spare parts as required on individual delivery order. The Contractor shall provide a standard commercial warranty on the Sight(s) for parts and labor for each System at no additional cost to the Government IAW the Contractor's standard warranty provisions. The Contractor shall provide Original Equipment Manufacturer (OEM) level repairs and service. The Contractor shall repair Sight(s) not covered under the warranty provisions as directed by the Government on an individual delivery order.

An all-inclusive revised Statement of Work is an attachment hereto.

2. **CDRL A011 is hereby replaced with CDRL A011, Title TMCR for Equipment Manual supporting VAS In line Clip-on/Night Sight, attachment hereto.**

STATEMENT OF WORK
FOR
VISUAL AUGMENTATION SYSTEM

NIGHT VISION DEVICES

IN SUPPORT OF INOD-EA PROGRAM

N00164-02-R-8512

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

STATEMENT OF WORK
FOR
VISUAL AUGMENTATION SYSTEMS
NIGHT VISION DEVICES
IN SUPPORT OF

INOD-EA PROGRAM

1.0 SCOPE. This Statement of Work (SOW) sets forth the requirements for the procurement of a non-developmental item NDI) for a family of Visual Augmentation Systems (VAS) Night Vision Device (NVD). Those systems may include three configurations as part of this Evolutionary Approach solution.

- "Clip-on" image intensification night sight (in line) with a variable power dayscope with accessories. Accessories include Mounting Brackets, AA Batteries, Daylight Cover (with lanyard), Lens Cleaning Kit, Operation/Maintenance Manual, Soft Carrying Case, Training Material and Services.
- "Clip-on" image intensification night sight (in line) with accessories. Accessories include Mounting Brackets, AA Batteries, Daylight Cover (with lanyard), Lens Cleaning Kit, Operator/Maintenance Manual, and Soft Carrying Case.
- Night Sight Capable of daytime firing. (Same as above configuration excluding the variable magnification dayscope).

The "clip-on" image intensification night sight (in line) with a variable power day scope and/or night sights capable of daytime firing shall be referred herein as Sight(s). The Production Baseline (PBL) shall be established at the time of contract award, which may include minor modifications recommended by the government during user negotiations based on user evaluation testing of product sample hardware. The Government reserves the right to procure the "clip-on" image intensification night sight (in line) without its variable dayscope. This SOW provides for the procurement, test, system spares, repairs, configuration management (CM), technical documentation and Contractor Logistics Support (CLS) for the Sight(s).

1.1 BACKGROUND. This acquisition is designated an evolutionary acquisition utilizing a best value approach. This acquisition is follow-on to the original material solution for the Integrated Day/Night Fire Control Observation Device (INOD) (AN/PVS-19). This acquisition will serve as a bridge until technology has matured where a full material solution is achieved.

2.0 LISTING OF APPLICABLE DOCUMENTS. The following specifications and standards form a part of this SOW to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the latest issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto.

2.1 Performance Specification

PS/02/805/022, Rev -	Performance Specification, Visual Augmentation Systems In line Clip-On / Night Sight

2.2 Military Standards

MIL-STD 129N	Standard Practice for Military Marking dtd 15 May 97
MIL-PRF-49506	Logistics Management Information dtd 11 Nov 96
MIL-STD-1913	Dimensioning of Accessory Mounting Rail for Small Arms Weapons dtd 10 Jun 99

2.3 Department of Defense Handbooks

MIL-HDBK-61A	Configuration Management Guidance dtd 7 Feb 01

2.4 Non-Government Standards and Other Publications

ANSI/ASQC Q9001	Quality Systems – Model for Quality Assurance in Design/Q9000:1994 Development, Production, Installation and Servicing
TMCR	TMCR No. NDMS-020151-00

2.5 Order of Precedence. In the event of a conflict between the text of this document and the references cited herein, the text of this document shall take precedence. Nothing in this document shall supersede applicable Federal, State, or Local Laws and regulations unless a specific exemption has been obtained.

2.6 Availability of DoD Documents. Government specifications, standards and handbooks are available from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094. Non-Government Publications are available from the National Standards Institute, 11 West 42nd Street, New York, NY 10036.

3.0 REQUIREMENTS.

3.1 General. The Contractor shall provide production "clip-on" image intensification night sight (In line) with a variable power day scope, "clip-on" image intensification night sight (In line) without a variable power day scope and / or night sights capable of daytime firing in accordance with (IAW) the performance requirements contained in the Performance Specification reference in paragraph 2.1 and the appropriate configuration listed below.

3.1.1 The Contractor shall provide, as a minimum, with each delivered "clip-on" image intensification night sight (in line) and dayscope configuration the following:

3.1.1.1 A variable power day scope.

3.1.1.2 The Contractor shall provide the following with each delivered for the M-24 Standard Sniper Weapon System (WSW):

3.1.1.2.1 Mounts for dayscope (including standard issue 10X Leupold MK 4 M3 40mm scope) including any height adjustment rings.

3.1.1.2.2 Mounts for clip-on sight.

3.1.1.3 Detachable connecting hoods for night sight to dayscope connection.

3.1.1.4 The Contractor shall provide the following with each delivered for the MK-11 (SR-25), Remington 300 WINMAG Sniper Rifle, and .50 caliber Barrett XM107:

3.1.1.4.1 Mounts for dayscope including any height adjustment rings.

3.1.1.4.2 Mounts for clip-on sight.

3.1.1.5 System shall include an Operators/Maintenance Manual with each delivered system.

3.1.1.6 Lens Cover with lanyard.

3.1.1.7 Batteries.

3.1.1.8 Soft carrying case.

3.1.1.9 Lens cleaning kit.

3.1.1.10 Standard Commercial Warranty

3.1.2 The Contractor shall provide, as a minimum, with each delivered "clip-on" image intensification night sight (in line) configuration the following:

3.1.2.1 The Contractor shall provide the following with each delivered for the M-24 Standard Sniper Weapon System (WSW):

3.1.2.1.1 Mounts for dayscope (including standard issue 10X Leupold MK 4 M3 40mm scope) including any height adjustment rings.

3.1.2.1.2 Mounts for clip-on sight.

3.1.2.2 Detachable connecting hoods for night sight to dayscope connection.

3.1.2.3 The Contractor shall provide the following with each delivered for the MK-11 (SR-25), Remington 300 WINMAG Sniper Rifle, and .50 caliber Barrett XM107:

3.1.2.3.1 Mounts for dayscope including any height adjustment rings.

3.1.2.3.2 Mounts for clip-on sight.

3.1.2.4 System shall include an Operators/Maintenance Manual with each delivered system.

3.1.2.5 Lens Cover with lanyard.

3.1.2.6 Batteries.

3.1.2.7 Soft carrying case.

3.1.2.8 Lens cleaning kit.

3.1.2.9 Standard Commercial Warranty

3.1.3 The Contractor shall provide, as a minimum, with each delivered night sight capable of daytime firing the following:

3.1.3.1 The Contractor shall provide the following with each delivered for the M-24 Standard SWS:

3.1.3.2 The Contractor shall provide the following with each delivered for the MK-11 (SR-25), Remington 300 WINMAG Sniper Rifle, and .50 caliber Barrett XM107:

3.1.3.3 System shall include an Operators/Maintenance Manual with each delivered system.

3.1.3.4 Lens Cover with lanyard.

3.1.3.5 Batteries.

3.1.3.6 Soft carrying case.
3.1.3.7 Lens cleaning kit.
3.1.3.8 Standard Commercial Warranty

3.2.1 Post Award Conference. The Contractor shall host a two-day Post Award Conference within 20 working days after contract award. A copyright release letter shall be provided to authorize the Government unconditional rights to reproduce and use the submitted contract information for official Government business use. An exact date for the post-award conference shall be mutually agreed upon at contract signing.

3.3 QUALITY.

3.3.1 Quality Program. The Contractor shall establish, implement, document and maintain a quality system that ensures conformance to contractual requirements and meets the requirements of ANSI/ASQC Q9001, or an equivalent quality system model during performance of this contract.

3.3.2 Quality Conformance Inspections and Tests. The Contractor shall conduct Quality Conformance Inspections and Tests IAW the Contractor's Acceptance Test Plan and Section 4.2 of the Performance Specification (PS/02/805/022). The Government reserves the right to send a representative(s) to witness production acceptance testing. The Contractor shall develop and submit an Acceptance Test Plan for Government review and approval in accordance with (CDRL A001). The Contractor shall provide documented acceptance test results with each system upon delivery to the Government. Inspection and acceptance shall be conducted at destination.

3.3.3 Testing. The Contractor shall make available for the Government's review, all previous and current test results concerning the performance, reliability, maintainability, availability, environmental conditions and safety of the "clip-on" image intensification night sight (in line) with variable dayscope and/or night sights.

3.4 PROGRAM SUPPORT.

3.4.1 Contractor's Program Management. The Contractor shall develop and implement an innovative management plan that clearly defines how the VAS NVD Program will be managed and controlled. The Contractor shall be responsible for overall system performance and shall define and maintain appropriate subcontract and associate contract relationships to support all necessary requirements, allocations and interface. The Contractor shall designate a single point of contact (POC) specifically charged with the responsibility for accomplishment of the performance and schedule requirements set forth by this SOW. The Government shall have access to the Contractor's facilities throughout the life of the agreement of this SOW. The POC shall be the focal point for all technical communication.

3.4.2 Monthly Status and Progress Reports. The Contractor shall submit monthly progress reports identifying detailed work and schedule status of on-going work and cost information on warranty/non-warranty repair activities. (CDRL A002).

3.4.3 Program Reviews. The Contractor shall be responsible for attending program reviews as mutually agreed upon with the Government. The Contractor shall convene the following described program reviews at the Contractor's facility. These reviews shall serve as a forum to resolve issues and exchange information in support of testing, production, repair, logistics support and delivery. The Contractor shall ensure that appropriate personnel are available for conferences and reviews to address and resolve agenda items. Program reviews shall commence within 90 days after contract award. Subsequent program reviews shall convene as mutually agreed between the Contractor and the government, but no more frequently than quarterly. A maximum of four Program Reviews will be held per year with three at the Contractor's facility and one at NSWC Crane. The Contractor shall be prepared during all Program Reviews to address the contract performance.

3.4.4 Integrated Product Team (IPT). Government representatives from the users Command, NSWC Crane and the Contractor, throughout the life of the contract, shall establish an IPT. The IPT will provide the flexibility to adopt improved processes that increase system reliability/availability, improve/insert new technology, increase efficiency and system supportability. The overall objective is to lower total life cycle ownership cost of the Sight(s). Group size shall be optimized for efficiency in communication and coordination.

3.5 RELIABILITY/MAINTAINABILITY

3.5.1 Failure Reporting, Analysis and Corrective Action System (FRACAS). The Contractor shall furnish a Failed Item Analysis Report for each failed item occurring during Acceptance Testing or Warranty Returns (i.e., Quality Deficiency Reports (QDRs), (DR), etc.). The Contractor shall have an established closed loop failure reporting system, procedures for analysis of failures to determine cause, and documentation for recording procedures for analysis of failures to determine cause, and documentation for recording corrective action taken. The Contractor shall have a mechanism in place to collect and report field product performance, problems, failures, and shall implement an effective cause and corrective action system. The Contractor's existing data collection, analysis, reporting and corrective action system shall be used for field failure reporting. Failure data shall be isolated to the lowest replaceable assembly (LRU). The field failure reporting and corrective action system shall identify failures, prioritize failure trends, analyze failure modes and causes, and track solution effectiveness. The Contractor shall provide a monthly Failure Summary Analysis Report for each system repaired or replaced under warranty. (CDRL A003).

3.5.2 Performance. The Contractor shall notify the Government of any and all performance related data that would both positively and negatively impact the reliability, maintainability, availability and/or supportability of the Sight(s).. The Government may test, validate, verify and/or certify any and all of the Systems performance parameters to verify compliance with the Performance Specification.

The Contractor shall ensure the reliability of the Sight(s) is in compliance with the reliability requirements identified in paragraph 3.5.12 of the Performance Specification.

3.6 CONFIGURATION MANAGEMENT (CM). The Contractor shall have an established, Government verifiable, CM Program with control systems in place for the contract life. The Contractor's CM program shall be under the general guidance of MIL-HDBK-61A and shall provide configuration identification, configuration control, configuration status accounting, of all new and/or modified hardware, firmware, software, and documentation. The Program shall address the Contractor's procedures for CM; configuration reviews; and preparation, review and processing of Requests for Deviations and Waivers and Engineering Changes. The Production Baseline (PBL) shall be established at the time of contract award, which may include minor modifications recommended by the government during user negotiations based on user evaluation testing of product sample hardware. The PBL shall support interchangeability and interoperability to the replaceable part level. All baselines shall be documented in the Contractor's configuration status accounting database. The Contractor shall provide top-level system drawings. These drawings shall be submitted as required, whenever a configuration change causes change or revision to these drawings. The latest revision of drawings shall be submitted to the Government throughout the life of the contract. The top-level drawings are used for the purpose of Nomenclature and National Stock Number assignments. (CDRL A004)

3.6.1 Configuration Identification (CI). The Functional Baseline and Product Baseline shall identify the hardware configuration of the Sight(s). The Functional Baseline is defined by the system specification. The Engineering Drawings, Associated Parts List, and Engineering and Logistics Life Cycle Documentation define the PBL.

3.6.2 Configuration Control (CC). The hardware PBL shall be controlled by Form, Fit, Function, Interchangeability and Interoperability in consonance with the Government Maintenance Concept of Organizational (O) to Contractor Logistics Support (CLS). The Contractor shall submit for Government approval, all proposed changes that impact the Form, Fit, Function, Interchangeability or Interoperability of the current system configuration in accordance with the Contract Data Requirements Lists.

3.6.2.1 Engineering Change Proposal (ECP). The Contractor shall prepare an Engineering Change Proposal (ECP), under the general guidance of MIL-HDBK-61A, for any changes to the approved Functional Baseline and/or Product Baseline. Class I and/or Class II ECP definitions shall be interpreted as defined in MIL-HDBK-61A. Class I ECPs shall require at a minimum a Revision or Part Number change to the Sight(s) dependent upon system impact to form, fit, function or cost. The Government shall dictate to the Contractor whether a Part Number or Revision to the Sight(s) is required for Class I ECPs. Any requests for Deviations, Waivers, and Notice of Revision (NOR) shall be submitted through the Contracting Officer for Government review and approval. Drawing updates for Revisions and/or Part Number changes shall be completed at the Contractor's expense to include all technical documentation required by the Government. The Contractor shall provide ECPs via electronic mail and hard copy for Government review and approval. (CDRL A005, A006, A007, A008)

3.6.2.2 Non-Class I Changes. For those changes not affecting form, fit, or function (i.e. parts substitution, changes not impacting contract/delivery schedule, or cost, etc.), the Contractor shall document implementation of Class II ECPs with change to revision letter of the part number by the Configuration Status Accounting database outlined in paragraph 3.5.3 for Government record. The Contractor shall provide Class II ECPs to the Government for concurrence of Classification assigned affecting the top-level system drawing. (CDRL A005)

3.6.3 Configuration Status Accounting (CSA). A CSA database will be proposed by the Contractor and approved by the Government. All baselines, ECPs, deviations and waivers shall be documented in the Contractor's CSA database. The Government will utilize the Contractor's CSA database as the single tracking system for each configured hardware and software item for the Sight(s). The Contractor shall provide the Government the CSA database via electronic media. (CDRL A009)

3.7 INTEGRATED LOGISTICS SUPPORT (ILS). This Section outlines the Government's ILS requirements for the VAS NVD Program. These requirements include, but are not limited to, Maintenance Planning and execution, Technical Manuals, Training, warranty and non-warranty repair, and Contractor Logistics Support (CLS).

3.7.1 Contractor Logistics Support (CLS). The Contractor shall provide Life Cycle Support for the Sight(s) for a period of five (5) years from date of contract award to include repair and spare parts as required on individual delivery order. The Contractor shall provide a standard commercial warranty on the Sight(s) for parts and labor for each System at no additional cost to the Government IAW the Contractor's standard warranty provisions. The Contractor shall provide Original Equipment Manufacturer (OEM) level repairs and service. The Contractor shall repair Sight(s) not covered under the warranty provisions as directed by the Government on an individual delivery order.

3.7.2 Extended Three-Year Warranty. The Contractor shall provide a three (3) year warranty on the Sight(s), covering any damage or degradation of performance due to manufacturing or failures associated with normal use. The Contractor shall be responsible for the cost associated with shipping and handling (both CONUS and OCONUS) for all Sight(s) that must be returned on warranty issues. The Contractor will be responsible for the cost associated with shipping and handling of warranty returns (CONUS and OCONUS) – both receiving systems from NSWC Crane and returning systems from the Contractor to NSWC Crane. All repaired Sights shall be shipped from the Contractor to NSWC Crane for inspection. Warranty repair turn around time shall not exceed 14 calendar days after receipt of the failed Sight(s) system. **The Contractor shall provide a new asset if failed Sight(s) system cannot be repaired and returned to the government within the 14-day period.** All failures returned to the OEM for repair will have a Return Material Authorization (RMA) number assigned by the Contractor. The Contractor shall perform inspection and failure analysis on all returned Sight(s) returned for warranty repair. This SOW requires the Contractor maintain Sight(s) spares, repair parts, and subassemblies necessary to meet the required repair turnaround time (TAT) and support the quantity of Sight(s) for the performance period under the terms of this contract.

3.7.3 Non-Warranty Failure Analysis and Repair. The Contractor shall receive, inspect, test, and perform failure analysis and/or isolate each Sight to determine the specific work required to restore it to a serviceable condition. The Contractor shall repair the unserviceable Sight(s) that does not exceed 65 percent of the Best Economical Replacement to the latest production or approved configuration. The Contractor shall perform failure analysis and submit a detailed time and material cost proposal within ten calendar days after receipt of the failed Sight(s) to the Contracting Officer prior to commencement of work for any non-warranty repairs. Cost proposals submitted for work to be performed shall include all cost associated for evaluation and actual repair of the Sight(s), itemized listing of parts required for those repairs, and timeframe required for the repair. The Contractor shall not perform any non-warranty repair on the failed Sight(s) until receipt of the delivery order. Disassembly of the Sight(s) shall be limited to the minimum extent possible. Repair turn around time shall not exceed 14 calendar days after receipt of delivery order. **The Contractor shall provide a new asset if failed Sight(s) system cannot be repaired and returned to the government within the 14-day period.** All failures returned to the OEM for repair will have a Return Material Authorization (RMA) number assigned by the Contractor. The Contractor shall ship all repaired Sights to NSWC Crane for inspection. The Contractor shall be responsible for all shipping costs of the repaired Sight to NSWC Crane. All non-warranty repairs performed on the Sights by the Contractor shall be warranted for a minimum of 120 days. This does not exclude any existing warranty remaining on the Sight.

The Contractor may be paid the Contract negotiated direct labor rate as indicated in Section "B" for each repair up to the Maintenance Expenditure Limits (MEL) not to exceed 65% of the average acquisition cost of the Sight(s). Should the estimated cost of repair exceed the MEL, the Contractor shall notify the PCO representative and the NSWC Crane representative via phone/e-mail within 10 working days for disposition instructions. The Contractor shall be responsible for procurement of all Sight(s) spares and repair parts required to accomplish the work specified in this SOW during the performance period. All parts and material used during the repair process shall meet or exceed the original specifications and technical data requirements of the applicable contracts. The Contractor shall store all Sight Systems and repair and spare parts in such a manner as to preclude any damage or loss.

3.7.3.1 Types of Non-Warranty Repair. Examples of repairs consist of reticle replacement, purge and seal, recalibration and testing, electronic repairs/replacement and optical element replacement, intensifier tube replacement, objective lens replacement and housing replacement. NSWC Crane will perform failure analysis screening on all failed Systems prior to forwarding to the Contractor for analysis and repair.

3.7.3.2 The Contractor shall be required to restore the repaired Sight(s) to a serviceable condition. Any damage to protective finishes shall be repaired to the extent necessary to provide adequate protection during field usage, corrosion prevention and structural integrity. The Contractor shall be required to replace all damaged markings, identifications, and decals when the markings, identifications, or decals become unreadable.

3.7.3.3 The Contractor shall ensure all repaired, upgraded, or modified Sight(s) meet or exceed the original performance specification (PS/02/805/022). Scratches, delaminating or other optical flaws on the optics will be replaced only if it degrades system's performance or may deteriorate to degrade system's performance.

3.7.3.4 After the repaired Sight NV System passes acceptance testing at the Contractor's facility, the Contractor shall ship the repaired System to NSWC Crane for inspection and forwarding to the designated User.

3.7.3.5 The Contractor shall ensure that each repaired and serviceable Sight is packaged IAW best commercial practices.

3.7.3.6 The Contractor shall advise the Government in writing of all material to be condemned. Disposition instructions will be provided for Beyond Economical Repair (BER) equipment.

3.7.4 MAINTENANCE PLANNING. The Sight(s) shall be maintained under a two level concept, Organizational (O) and Contractor Logistics Support (CLS) for above O-level repair. O-level will operate and repair the system by using a "remove and replace" concept for repair of minor items such as replacing knobs, examining the unit for any physical damage, replacing the batteries, and cleaning the unit as needed (i.e. rinsing it to remove sea water/mud, and cleaning the lenses). A designated Government facility will perform failure analysis screening of failed Systems prior to returning to the OEM for repair. CLS will consist of any tasks required to repair any failure of the Sight(s) beyond the O-level. The Contractor shall provide CLS level of support while the Government will provide O-level support. The Government performing O-level support does not nullify any existing warranty on the Sight(s).

3.7.5 TRAINING AND TRAINING SUPPORT.

3.7.5.1 New Equipment Training (NET) Course Curriculum Training Materials. The Contractor shall develop and provide a cost effective New Equipment Training (NET) package that supports Organizational Unit Operation, maintenance, testing, and fielding the Sight(s). The Training materials package will be used by Instructor Initial Key Personnel Training (IKPT) to provide NET to Users. The Contractor's Training Curriculum shall be developed in a format suitable for projection or computer based presentation and provided via Compact Disk – Read Only Memory (CD-ROM). (CDRL A010)

3.7.5.2 Institutional Training. The Contractor, on a fully operational Government Sight system, shall provide Operator/Maintenance Training to NSWC Crane technical representatives. Training shall not exceed an 8-hour normal workday. (CDRL A010)

3.7.6 TECHNICAL DATA.

3.7.6.1 Operators/Maintenance Technical Manual. The Contractor shall provide an NDI Operator's and Maintenance Manual IAW the Technical Manual Contract Requirements (TMCR). The TMCR can be obtained at the following web address: **To reference a document directly, use the following URL: http://nsdsa.phdnswc.navy.mil/tmhtml/h020151000.htm.**
The Government will perform a verification of the commercial manuals using the TMCR. The Operators Manual at a minimum shall include introduction, Preparation for use and installation, Principles of Operation, Maintenance and Servicing Instructions (preventive and corrective), Preparation for Shipment, Parts List, Operational and Maintenance Illustrations, Safety Precautions (Warnings, Cautions, and Notes) and information on the functionality of the SIGHT(S), its components/accessories, system operation from turn-on to system shut down including adjustments, and operator checks and services. The Technical Manual shall be no larger than 41/2 X 6 inches.

The Contractor shall provide unit/organizational level Operator and Maintenance manuals with each delivered Sight. A Technical Manual start of work meeting shall be held concurrent with the post award conference to ensure all requirements are reviewed and agreed upon. The Operator and Maintenance Manual shall be provided IAW CDRL A011.

3.7.6.2 Data Validation. The Contractor shall have a process in place that provides for the validation of the adequacy and technical accuracy of the Technical Manual. The Government will verify and approve the accuracy and

completeness of the Technical Manual provided by the Contractor. Any discrepancies shall be corrected by the Contractor at no additional expense to the Government.

3.7.7 SUPPLY SUPPORT.

3.7.7.1 Proposed Spare Parts List for Spares Acquisition Integrated with Production (SAIP). The Contractor shall employ the concept of concurrent release of spare orders with identical parts as installments on the production unit. The Contractor shall provide a complete proposed spare parts listing of all the parts that identifies the Sight(s), which can be removed and replaced at the O-Level and repaired at the OEM (CLS) IAW CDRL A012. The Contractor shall identify which Proposed Spare Parts are repairable at O-level and which are repairable at D-level. The Proposed Spare Parts list shall be delivered in a top-down breakdown format of the Sight and shall include repairable, replacement parts (consumables) and long lead time items. Each item on the Proposed Spare Parts List shall be priced and available for ordering. The Proposed Spare Parts List shall contain the part number, nomenclature, CAGE, Quantity and unit price. The Proposed Spare Parts List shall include the spares based upon failure analysis to support a 12-month sparing philosophy. The contractor shall provide Spare Parts under this SOW paragraph.

3.7.8 Packaging, Handling, Storage and Transportation. The Contractor shall ensure that when the Sight is packaged in its soft carry case, it is capable of being transported on standard transportation system, commercial or military. The Contractor shall also ensure when the Sight is in its shipping container, it shall withstand, without physical damage or degradation of performance, transportation modes of commercial air, truck, and all types of Army/Navy cargo or combat vehicles as well as Naval fast Boats and Submersible Diving Vehicles (SDVs).

The Sight(s) shall include a soft carry case. The soft carry case will provide protection for the Sight against environmental conditions associated with carrying the system in a field environment when not attached to the weapon platform. The shipping and storage case will protect the Sight against damage associated with transportation, handling, and storage.

Labeling and marking requirements shall be IAW MIL-STD 129N and shall include but not limited to the following markings (1) Sight(s) name and nomenclature; (2) Sight(s) unique serial number; (3) Manufacturer; (4) Contract Number, (5) Warranty Expiration date; and (6) Part Number with revision level.

3.7.9 Safety.

3.7.9.1 Environmental and HAZMAT. The Contractor shall have an established Environmental and HAZMAT program to ensure the system design, development, testing, evaluation, operations, and maintenance comply with federal, state, and local environmental laws, regulations, shipping regulations, policies, treaties, and agreements. The Contractor shall perform a comprehensive Environmental, Safety and Health (ESH) analyses and provide an Environmental Safety and Health Plan addressing Environmental Safety Hazards, Support requirements associated with using hazardous materials, and Cost effective pollution prevention programs. The Contractor shall ensure the Environmental and Hazard analysis complies with DOD Dir 5000.2-R, paragraph 4.3.7. The Contractor shall identify any non-metallic materials contained in the Sight(s). (CDRL A013)

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP TM OTHER X

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
VAS IN LINE CLIP-ON / NIGHT SIGHT)	**N00164-02-R-8512**	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A011	**TMCR for Equipment Manual supporting VAS In line Clip-on/Night Sight**	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
TMCR NO. NDMS-020151-00	**SOW PARA 3.6.3.1**	**NSWC, CRANE, CODE 805E**

7. DD 250 REQ	9.DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
DD	**SEE BLK 16**	**OTIME**	**30DAC**
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
A			**30DARC**

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE
INSERT IN SECT. B

16. REMARKS:

BLK 4 - BLK 10 of Data Item - In contractor format acceptable.

BLK 8 - The Government will review the draft manual for technical content and adequacy in accordance with the requirements of the Data Item and contract SOW. Written comments to be incorporated into the final will be provided within 30 days after receipt of the draft manual.

BLK 9 - Distribution Statement A. "Approved for public release; distribution is unlimited.

BLK 14 - Submit the draft via email in Microsoft Word 2000 format with viewer software. Fianl copy shall be both hard copy and CD-ROM. Contractor shall provide one hard copy, size 4" X 6" with each VAS In Line Clip-On / Night Sight delivered.

14. DISTRIBUTION			
a. ADDRESSEE	b. COPIES (e-mail) Draft	Final Reg	Final Repro
CURRY_DAVID@CRANE.NAVY.MIL	**1**		**1**
HELMS_WJ@CRANE.NAVY.MIL	**1**		**1**
MARTINSJ@SOC.MIL	**1**		**1**
ROBERTSR@SOC.MIL	**1**		**1**
15. TOTAL	**4**	**0**	**4**

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
		Theresa Andis, Crane Data Manager	